

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000110

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: B62D 9/02, B62K 5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 DWPI IPC B62D 9/-, B62K 5/- and KEYWORDS vehic:, car, cycle, bike, tilt. lean, camber, angl:, castor, sway, corner, steer, centrif:

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 1995/034459 (BRINKS WESTMAAS B.V.) 21 December 1995 Whole document	
A	US 6435522 B1 (VAN DEN BRINK et al) 20 August 2002 Whole document	
A	US 6685201 B1 (SMITH, III) 3 February 2004 Whole document	
A	EP 0 592 377 A1 (CALZOLARI) 13 April 1994 Whole document	

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
 21 April 2005

Date of mailing of the international search report
 28 APR 2005

Name and mailing address of the ISA/AU
 AUSTRALIAN PATENT OFFICE
 PO BOX 200, WODEN ACT 2606, AUSTRALIA
 E-mail address: pct@ipaaustralia.gov.au
 Facsimile No. (02) 6285 3929

Authorized officer

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000110

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4660853 A (JEPHCOTT) 28 April 1987 Whole document	
A	US 4546997 A (SMYERS) 15 October 1985 Whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2005/000110

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
WO 1995/034459	AU 25805/95	BR 9507997	CA 2193073
	CN 1150780	CZ 9603510	EP 0796193
	NL 9401303	PL 317721	US 5927424
US 6435522	AU 11794/99	BR 9814630	CA 2310256
	CN 1278767	EP 1028883	MX PA00004674
	PL 341063	WO 1999/024308	
US 6685201	AU 29754/99	WO 1999/048750	
EP 0592377	NONE		
US 4660853	EP 0153521	EP 0205419	GB 2128142
	WO 1985/003678		
US 4546997	NONE		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference	FOR FURTHER ACTION	See item 4 below
International application No. PCT/AU2005/000110	International filing date (<i>day/month/year</i>) 02 February 2005 (02.02.2005)	Priority date (<i>day/month/year</i>) 06 February 2004 (06.02.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant JAMES, Phillip, Ronald		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	<p>This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

<p style="text-align: center;">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Date of issuance of this report 07 August 2006 (07.08.2006)</p> <p>Authorized officer Dorothee Mülhausen</p> <p>e-mail: pt01@wipo.int</p>
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PATENT COOPERATION TREATY

REC'D 03 MAY 2005

WIPO PCT

PCT

From the:
INTERNATIONAL SEARCHING AUTHORITY

To:

Mr Phillip Ronald JAMES
PO Box 1060
Kilburn North SA 5084

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference		Date of mailing (day/month/year) 28 APR 2005	
		FOR FURTHER ACTION See paragraph 2 below	
International application No. PCT/AU2005/000110	International filing date (day/month/year) 2 February 2005	Priority date (day/month/year) 6 February 2004	
International Patent Classification (IPC) or both national classification and IPC Int. Cl. ⁷ B62D 9/02, B62K 5/06			
Applicant JAMES, Phillip Ronald			

1. This opinion contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the IPEA/AU
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Authorized Officer

COLIN FITZGIBBON
Telephone No. (02) 6283 2226

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/AU2005/000110

Box No. I **Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/AU2005/000110

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1 to 12	YES
	Claims	NO
Inventive step (IS)	Claims 1 to 12	YES
	Claims	NO
Industrial applicability (IA)	Claims 1 to 12	YES
	Claims	NO

2. Citations and explanations:

The following documents identified in the International Search Report have been considered for the purposes of this report:

D1 WO 1995/034459 A1 (BRINKS WESTMAAS B.V.)
D2 US 6435522 B1 (Van Den Brink et al)
D3 US 6685201 B1 (Smith, III)
D4 EP 0 592 377 A1 (Calzolari)
D5 US 4660853 A (Jephcott)
D6 US 4546997 A (Smyers)

Novelty (N) Claims 1 to 12

Claims 1 to 12 meet the criteria set forth in PCT Article 33(2) for novelty. The prior art published before the priority date does not disclose a tilting vehicle comprising tilt registration means to record variations in the tilt position of the tiltable section as defined.

Inventive Step (IS) Claims 1 to 12

Claims 1 to 12 meet the criteria set out in PCT Article 33(3) with regard to the requirement of Inventive Step because the prior art does not obviously suggest to a person skilled in the art to add tilt registration means to record variations in the tilt position of the tiltable section to a tilting vehicle, the tilt registration means then being connected to the variable force steer transmitter to exert moments onto the castoring element.

PATENT COOPERATION TREATY

10586819

REC'D 03 MAY 2005

From the:
INTERNATIONAL SEARCHING AUTHORITY

WIPO PCT

PCT

To:

Mr Phillip Ronald JAMES
PO Box 1060
Kilburn North SA 5084

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference

Date of mailing
(day/month/year) **28 APR 2005**

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/AU2005/000110

International filing date (day/month/year)
2 February 2005

Priority date (day/month/year)
6 February 2004

International Patent Classification (IPC) or both national classification and IPC
Int. Cl. ⁷ B62D 9/02, B62K 5/06

Applicant

JAMES, Phillip Ronald

1. This opinion contains indications relating to the following items:

- | | | |
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| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

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1. Statement

Novelty (N)	Claims 1 to 12	YES
	Claims	NO
Inventive step (IS)	Claims 1 to 12	YES
	Claims	NO
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